5-22-2001

ra , ia	•								PALL 1 3	2000	**************************************			Sheet <u>1</u>	_of	2·
FORM PT	ro-14	49							NT OF SCHEEN		ATTY. DOCKET NO.		SEI	RIAL NO.		
(Modified)				PA	TEN	NT A	ND	TR	ADEMARK OFFIC	E	712-002-082		0.9	9/519,8	02	/
		NFO									APPLICANT			, , , , , , , , , , , , , , , , , , ,		-
	S	TAT	EM	IEN ⁻	ГΒ	/ AF	PLI	CA	NT		M. A. Putnam	ı et	: al	•		,
	(U:	se s	eve	ral s	shee	ets i	f ne	ces	sary)		FILING DATE		GR	OUP		
(37 CFR 1.9									,		March 6, 200	0	28	374		*,
									U.S. PAT	EN	F DOCUMENTS					
EXAMINER									ISSUE			Y			l	DATE
INITIAL		Ь-	CU	ME	NT	NU		_	DATE	ļ	PATENTEE /	CL	ASS	SUBCLASS	IF APRO	OPRIATE
Aulah		5	0		_				8/27/1991		orey et al.					*
' '/		5	4	6	9	5	2	0	11/21/1995	M	orey et al.					
		5	5	0	2	7	8	1	3/16/1996		Li et al.		$\overline{}$			
		5	5	7	9	1	4	3	11/26/1996		Huber			K		
		5	6	0	8	8	2	5	3/4/1997		Ip					
	1	5	6	9	1	9	9	ò	11/25/1997	/I	Ball et al.		$\overline{}$			
	/	5	7	0	6	3	ЛÍ	5	1/6/1998/		ihailov et al.		7			
		5	7	_	6,	7	8	5	3/10/1998	Cl	nawki et/al.		/			
		5	7		8	3	4	9	5/5/1998		Mizrahi	T				$\overline{}$
		_		7	9	\blacksquare	4	1	1/12/1999	Н	orita et al.	7				1
4		5	8	6	7	2	8	9	2/2/1999		rstel et al.	7	$\overline{}$			98
									FOREIGN P		NT DOCUMENTS					,
									PUBLICATION		·				TRANS	LATION
		DO	CU	ME	NT	ΝU	MB	ER	DATE		COUNTRY	CL	ASS	SUBCLASS	YES	NO
		\dashv	\dashv			\dashv	┪	T					-			
		Ц					4	_								
																-
		\dashv	_		\dashv	\dashv	\dashv	\dashv								
					Ш						· · · · · · · · · · · · · · · · · · ·					
OTH	IER D	00	U:	ME	N٦	ΓS_	(In	clu	iding Author	, Tit	le, Date, Relevant P	ages	s, Pla	ce of Publ	ication)
1 100			Lar	ry	к.	Ba	xte	r,	"Capacitive Se	ensoi	rs Design and Applicat	ions	", IEE	EE Press Se	ries on	L
telle)		1	Ele	ctı	on:	ics	Те	chn	ology, pages (56-82	2				11-17-	
			Γ.	R.	Hic	cks	an	d F	D. Atherton	, "Tì	ne NanoPositioning Boo	ok",	Queens	gate Instr	uments	
\			Ltd	. 1	.997	7, <u>j</u>	pag	es	81-103							

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Seismic Industry", May 1998, pages 1-12

EXAMINER

CiDRA Corporation, "Applications of Optical Fiber Bragg Grating Sensors for the

DATE CONSIDERED

· •	٠						•	3	PATE JUL 1		<i>w</i> /	ي ا	- ;	Sheet <u>2</u>	of <u>2</u>	•
FORM PT (Modified)	0-144	9		U.S	S. DE	PAF	RTMI	ENT (OF COMMERCE PATE	MARK	712-002-082			1AL NO.	02	
		INFC STA									M. A. Putnam	ı et				·
(37 CFR 1		Jse s	seve	ral :	she	ets i	if ne	ces	sary)		March 6, 200	0		OUP 374		
									U.S. PAT	ren'	T DOCUMENTS					
EXAMINE! INITIAL	3	DO	OCL	JME	NT	NL	JME	BER	ISSUE DATE		PATENTEE	CLAS	ss	SUBCLASS	-	DATE OPRIATE
Allar		5	8	9	6	3	7	8	4/20/1999		Barker			/		
		5	9	2	0	4	1	3	7/6/1999	М	iyakawa et al.					
		5	9	2	6	3	0	0	7/20/1999	M	iyakawa et al.			/		
/	4	5	9	5	3	1	4	1.	9/14/1999		Liu et al.	<u> </u>	_	/		
\mathcal{A}	1	5	9	5	9	7	4	<u>/9</u>	9/28/1999	_D	anagher et al.		$\overline{}$			
	<u> </u>	5	9	6	0	1	B	3	9/28/1999	/_	Tomlinson		\bot			
/	<u> </u>	5	9	8	2	5	1	8	11/9/1998		Mizrahi /		<u>/_</u>			
	<u> </u>	5	9	9	1/	0	7	6	11/23/1899		Chenq /	/				
	ļ	5	9	9	9	2	9	0	12/7/1/999	<u> </u>	Li /				$\overline{}$	
	<u> </u>	6	0	0	2	5	0	3	12/14//1999		Mizrahi			/	$\overline{}$	
<u></u> 4		6	0	2	0	9	8	6	2/1/2000		Ball					
									FOREIGN P	ATE	NT DOCUMENTS					
		DC	cu	IME	NT	NL	JME	BER	PUBLICATION DATE		COUNTRY	CLAS	ss	SUBCLASS	TRANS YES	LATION NO
										\						
				L			L	L		L"						
							L		ì							
				<u> </u>	L_		L	L								
ОТ	HER I	00	CU	ME	EN ⁻	ΓS	(In	ıclı	uding Author	, Tit	le, Date, Relevant P	ages,	Pla	ce of Publi	cation)

DATE CONSIDERED **EXAMINER** 5-21-2001 Whah

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

			. 2	4	200	ر 0 نیم	C34 25/5	V			,	•) .		S	heet <u>1</u>	of <u>3</u>
FORM (Modified			BAI		PA	TEN		ND	TRA	OF COMMERCE DEMARK OFFICE		712-002.082			RIAL, NO.	02		
							Y AI					M. A. Putnam et	t al.					
(37 CFR	. 1 (se s	eve	ral :	she	ets i	if ne	ces	sary)		March 6, 2000			оир 374			
(07 0111										U.S. PA	TEN ⁻	T DOCUMENTS		1-,				
EXAMIN INITIA			00	ıcı	1845	NIT	NU	INAC	ED	ISSUE DATE		PATENTEE	CI	ASS	SUBCLĄ	99	FILING D	
Aula	←	,	5	0	2	_	_	3	7	06/25/91	\vdash	Tokumitsu	1 .,	A33	SUBCLA	33		
(/		5	1	0	7	3	6	o	04/21/92		Huber					:	$\overline{}$
		/	5	1	1	5	_	3	8	05/19/92		DiGiovanni et al.						/
		/	5	1	1	9	4	4	7	06/02/92		Trisno						
	/		5	1	3	4	6/	2	0	07/28/92/		Huber /						/
	L		5	1	4			5	6	08/18/9/2		Huber /		<u> </u>		_		\angle
			5	1	5	1	9	0	8	09/29/192		Huber	ļ	1/	1			
	$oxed{oldsymbol{oldsymbol{oldsymbol{eta}}}}$		5	1	5/		7	6	2	10/ø6/92		Huber	1	/				
<u></u>	<u> </u>		5	1	6	+	8	2	1	11/24/92		Huber	<u> </u>	_/	1			
	4		5	1	8	7	7	6	0	02/16/93	<u></u>	Huber	1	<u> </u>				<u>.</u>
										FOREIGN P	ATE	NT DOCUMENTS	- 4					
							- 411			PUBLICATIO	N	COLINTRY			CLIDGE A		TRANSLA	TION
			ВС		IVIE	: N I	NU	JIVIE	SER	DATE		COUNTRY	CL	ASS	SUBCLAS	<u>``</u>	YES	NO
																T		
						T	T	Г			T					†		\top
			┢		\vdash	H	\vdash		Н							╁		+
			_	_	ļ	L	-	_	Щ		\dashv					4		+
						L											•••	\perp
																1		
C	T	IER D	000	CU	MI	EN	TS	(lr	ıclı	ıding Author	, Tit	le, Date, Relevant I	Pages	s, Pla	ce of P	ıbl	ication)	
			L															
<u></u>			L															
																1		
EXAMIN	ER	·	ب ا						,	.11.1		DATE CONSIDERED	5/2	2/20	oo¥			
		#}	*	Υ			上	•		ullah \			7	7	•			

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 3 U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. SERIAL NO. FORM PTC PATENT AND TRADEMARK OFFICE (Modified) 712-002.082 09/519,802 APPLICANT INFORMATION DISCLOSURE STATEMENT BY APPLICANT M. A. Putnam et al. FILING DATE **GROUP** (Use several sheets if necessary) March 6, 2000 2874 (37 CFR 1.98(b)) **U.S. PATENT DOCUMENTS EXAMINER** ISSUE FILING DATE IF APROPRIATE SUBCLASS DOCUMENT NUMBER DATE **PATENTEE** CLASS 9 1 5 8 6 03/02/93 Huber 0|0|9|6|4 04/06/93 Huber 088 05/04/93 Huber 0 6 3 05/11/93 Huber et al. 6 05/11/93 Trisno 06/22/93 Huber 07/27/92 Kaede 09/07/93 Huber 3/6/0 10/26/93 Glaab et al. 10/26/93 Maeda FOREIGN PATENT DOCUMENTS **PUBLICATION** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) **EXAMINER DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE PATENTEE CLASS SUBCLASS FILING DATE PATENTEE CLASS SUBCLASS FARDER 5 2 6 0 8 2/3 11/09/93 Payne et al. PATENTEE PATE	FORM PT (Modified)	0-144	\$77	PAD	ENN	ARIA TEN	BIT A				COMMERCE ARK OFFICE		712-002.082		- 1	RIAL NO. 9/519,	802		
(Use several sheets if necessary) U.S. PATENT DOCUMENTS SSUE													M. A. Putnam et	al.				··	
SUBCLASS FILING DATE PATENTEE CLASS SUBCLASS FILING DATE PATENTEE CLASS SUBCLASS FAMORE PATENTEE PATENTEE PATENTEE CLASS SUBCLASS FAMORE PATENTEE PATENTEE PATENTEE CLASS SUBCLASS FAMORE PATENTEE PATENTEE PATENTEE PATENTEE PATENTEE CLASS SUBCLASS FAMORE PATENTEE PATENTEE PATENTEE PATENTEE CLASS SUBCLASS FAMORE PATENTEE PATEN	(37 CFR 1.9		se s	eve	ral :	shee	ets i	if ne	ces	sary)				1				
DOCUMENT NUMBER DATE											U.S. PAT	EN.	T DOCUMENTS						
5 2 6 8 9/1 0 12/07/93		21.0	DO	CU	ME	NT	NU	JME	ER.			_o^	PATENTEE	CLA	ASS	SUBCL	ASS		
5 2 7 1 0 2 4 12/14/93 Huber	tell]		_	_	_	7	_	2	3		7 7		;	1					_
FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES						\mathbf{r}	T7		0					1					_
DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES	$\angle \Box$		5	2	7	1	<u> 10</u>	2	4	1	<i>2/1</i> /4/93		Huber		<u> </u>	1			
DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES			Н			┞	-	-	Н	_						/		i 	
DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES			Н		_	┝	├	├	Ш					<u> </u>					
DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES			H	\vdash	_	├	 -	┝	-					-		1			
DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES			Н	\dashv	_	┝	├	├	Н							1			
DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES				\dashv		H	\vdash	⊢	Н										
DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES						H			Н					\vdash					
DOCUMENT NUMBER PUBLICATION DATE COUNTRY CLASS SUBCLASS YES	1				L		ـــــ	<u> </u>	Ll	E/	DEIGN D	Λ T E	INT DOCUMENTS	1					
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES						_						$\overline{}$.ITT DOCUMENTS	T		I		TRANSI A	TIO
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			DO	CU	ME	NT	ΝL	JME	BER				COUNTRY	CL	ASS	SUBCLA			Ī
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)									П								1	*	\dagger
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			Н			┝	-	┢	Н		,	+					\dashv		+
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			Н	\dashv		H		\vdash	Н			\dashv		+			\dashv		+
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			Ш			L	L	L	Ц			_				ļ	_		\perp
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)																			
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)																			Т
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			П	\dashv		\vdash	Г					+		1					\top
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			-	-		_	-	-	Н			+		+				· · · ·	+
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							<u> </u>	L											<u> </u>
	отн	ER C	000	CUI	ME	EN'	TS	(In	iclu	ıdir	ng Author,	Tit	le, Date, Relevant P	ages	, Pla	ce of F	Publ	ication)	
			Н			_												,	
						<u></u>			1								1		
									1							$\overline{/}$	7	<u> </u>	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.